DECL .TION FOR PATENT APPLICATION (WITH POWER .TTORNEY)

As an inventor named below or on any attached continuation page, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF A LASER, the specification of which (check one):

	inited States application serial noCT international application no	and was amended on and was amended under PCT Articl	 e 19 on	
I hereby state that I have reviewed a to above.	and understand the contents of the above-id	entified specification, including the cl	aims, as amended by an	y amendment referred
I acknowledge the duty to disclose to claimed in this application, as "material	to the U.S. Patent and Trademark Office all lity" is defined in Title 37, Code of Federal	information known to me to be mater Regulations § 1.56.	al to the patentability of	f the subject matter
or § 365(a) of any PCT international ap continuation page and have also identif	fits under Title 35, United States Code, § 1 plication(s) designating at least one countried below and on any attached continuation at least one country other than the United S	y other than the United States of Amer page any foreign application for pate	ica listed below and on	any attached
Prior foreign/PCT application(s):			Prior	ity Claimed
(number)	(country) (day/mont	h/year filed)	Yes No
(number)	(country) (day/mont	h/year filed)	Yes No
disclosed in any such prior application in U.S. Patent and Trademark Office all inf	e 35, United States Code, § 120 of any United and on any attached continuation page at the manner provided by the first paragrap formation known to me to be material to page of such prior application and the national	nd, insofar as the subject matter of each of Title 35, United States Code, § 1 tentability as defined in Title 37, Code or PCT international filing date of this	h of the claims of this ap 12, I acknowledge the di c of Federal Regulations application:	pplication is not uty to disclose to the s § 1.56 which
(application schai no.)	(filing date)	(status - pend	(status - pending, patented or abandoned)	
(application serial no.)	(filing date)	(status - pend	ing, patented or abandon	ned)
I hereby claim the benefit under Title	35, United States Code, § 119(e) of any U	nited States provisional application(s)	listed below:	
(provisional application no.)	(filing date)			
I hereby appoint the following Registe therewith:	ered Practitioners to prosecute this applicat	ion and to transact all business in the	Patent and Trademark C	Office connected
David V. Trask, Reg. No. 22,012 Joseph A. Walkowski, Reg. No. 28,76 Edgar R. Cataxinos, Reg. No. 39,931 Kenneth B. Ludwig, Reg. No. 42,814 Krista Weber-Powell, Reg. No. P-47,8 Bradley B. Jensen, Reg. No. 46,801 Michael L. Lynch, Reg. No. 30,871	Kent S. Burningham, Reg. No. 3 Paul C. Oestreich, Reg. No. 44.9	Allen C. Turner, R 10,453 Brick G. Power, R 183 David L. Stott, Re 15 Samuel E. Webb, Katherine A. Ham	Laurence B. Bond, Reg. No. 30,549 Allen C. Turner, Reg. No. 33,041 Brick G. Power, Reg. No. 38,581 David L. Stott, Reg. No. 43,937 Samuel E. Webb, Reg. No. 44,394 Katherine A. Hamer, Reg. No. P-47,628	
Address all correspondence to:	James R. Duzan, telephone no. (801) 532 TRASK BRITT P.O. BOX 2550 Salt Lake City, Utah 84110	-1922.		
further that these statements were made w	de herein of my own knowledge are true an ith the knowledge that willful false stateme tes Code and that such willful false stateme	ents and the like so made are nunishab	le by fine or imprisonm	one or both under

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Full name of sole inventor: Frank L. Hall